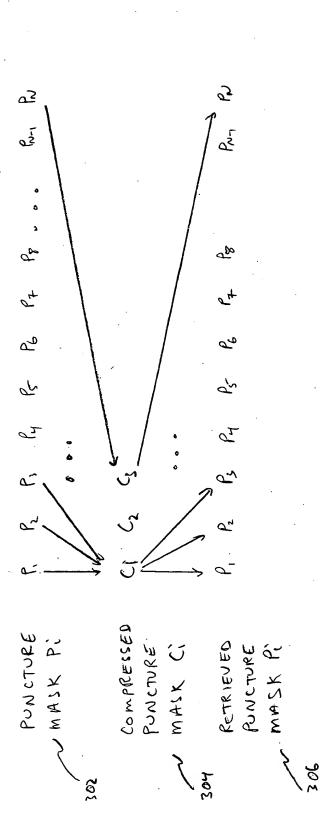


F.g. 1.

 R_i = RECEIVED R_i = RECEIVED R_i = R_i $R_$

PRIOR ART

F19, 2



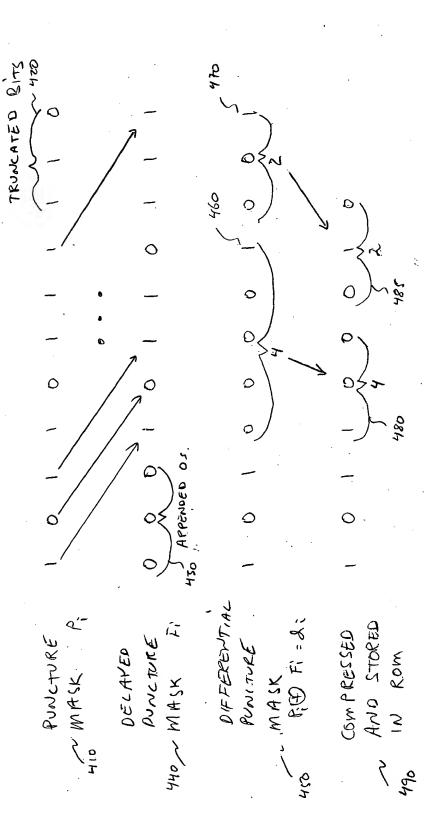
F. 5.7 N. 5.7

8 7 J. DELETED PK+3 ... PN-K. PN-K+1 ... OZE B تخه · · APPENDED ZEROS M. #5K P. # Fi = 0? DIFFERENTIAL DI = DIFFERENTAL 4; · Compressed Y MASK F. PUNCTURE PUNCTURE NASK NASK DELAYED

PUNCTURE

MASK

360

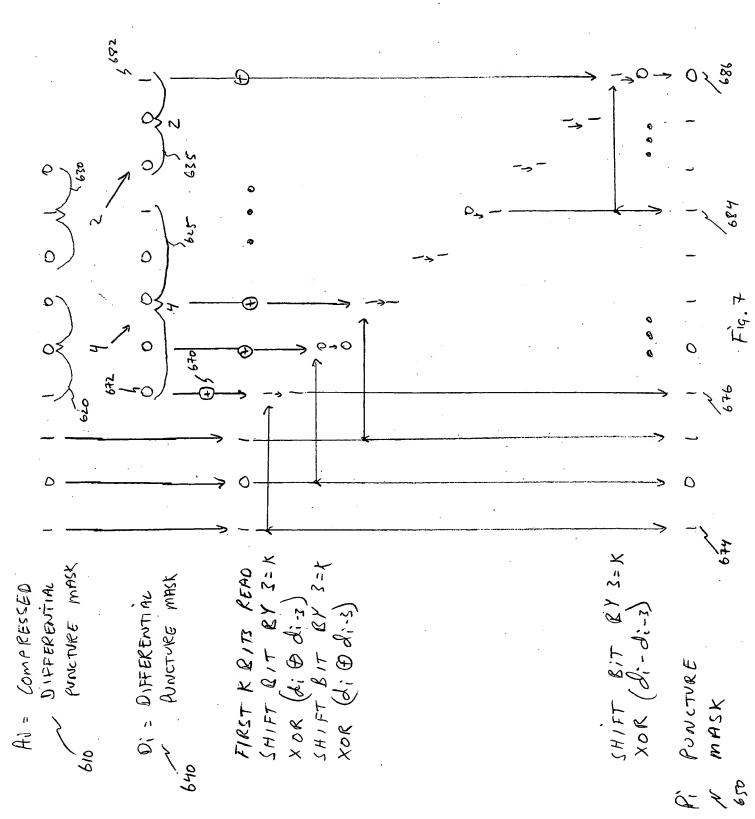


7.

right in the second of the sec

MASK Piz O. & Pizk COMPRESSED DIFFERENTIAL PONCTURE IMPGK Di = DIFFENTIAL PUNITURE , PUNCTURE MASK

7 in 6



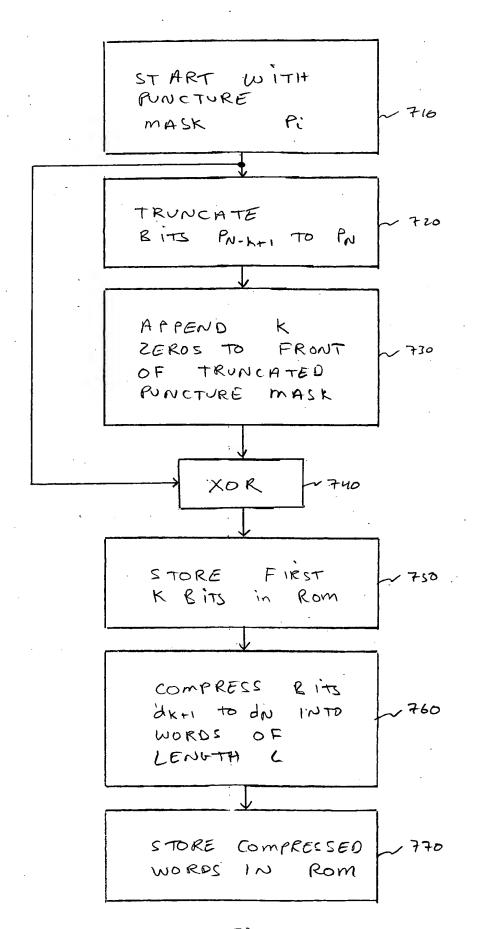
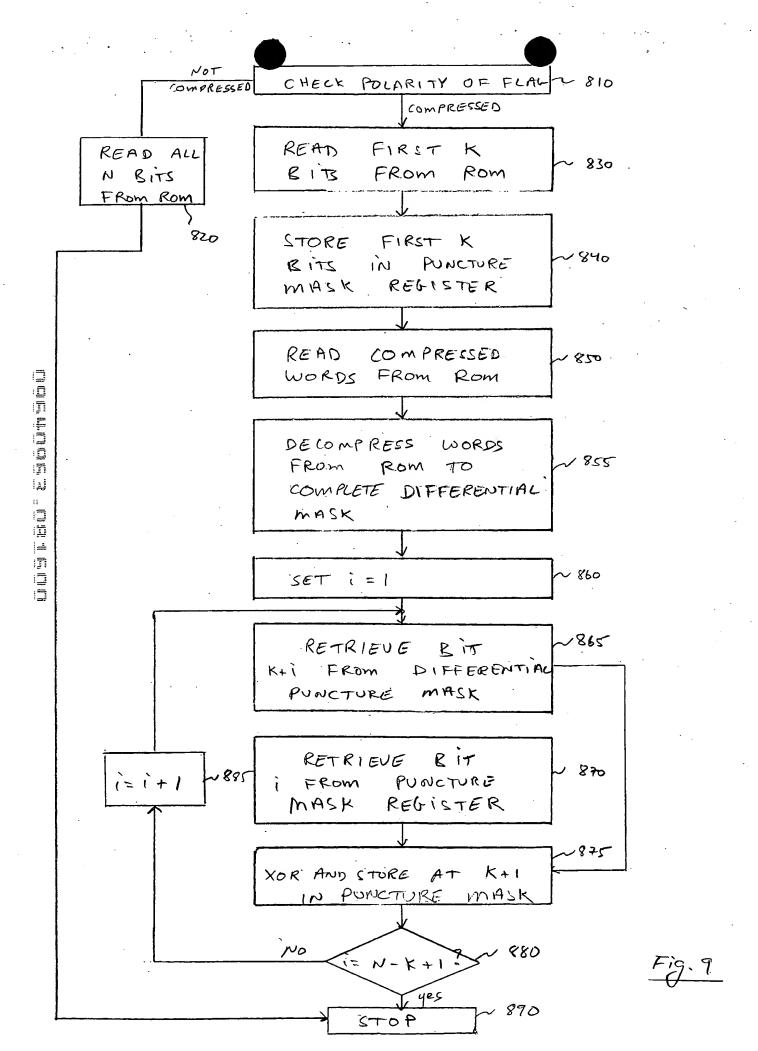
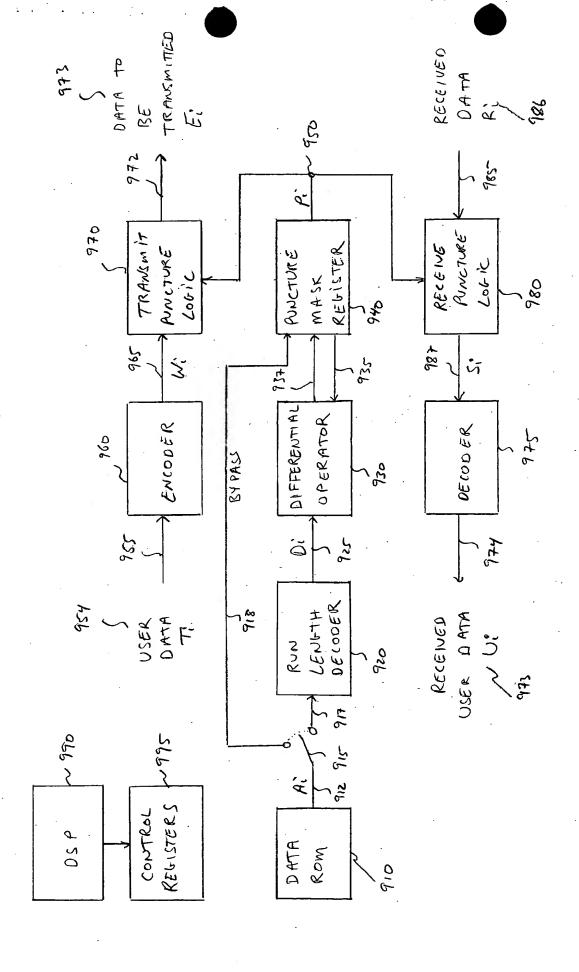


Fig. 8





F19.10

1010	EGPRS, GI	PRS, and ا	GSM Data	Mode Pun		Requirements	s 106	o 106	
Mode ID	Mask	Mask	Mask	Code		~			
	length	length	Period	Length	No. code words	ROM req K +LM	ROM	Compress.	[
	N (bits)	(words)	K (bits)	Lengui L (bits)	words M	(bits)	Req.	ratio	
TCH/F14.4	588	37	18	10	2	38	(words)		4
CS-2*	588	37	48	10	1	58	3	12.33	_
CS-2	588	37	4	6	25	154	4	9.25	_
CS-3	67.6	43	6	. 10	1	16	10	3.70	_
MCS-1 P1*	. 588	37	63	9	3	. 90	6	43.00	- ↓
MCS-1 P2*	588	37	63	.9	3	90		6.17	4.
MCS-1 P1	588	37	21	6	17	123	<u>6</u> 8	6.17	4
MCS-1 P2	588	37	21	6	17	123	8	4.63	
MCS-2 P1	732	46	6	7	13	97	7	4.63	-
MCS-2 P2	732	46	6	7	13	97		6.57	1
MCS-3 P1	948	60	18	8	7	94	7	6.57	4
MCS-3 P2	948	60	18	9	7	81	6	10.00	1
MCS-3 P3	948	60	18	9	9	99	6	10.00	4
MCS-4 P1	1116	70	3	11	1	14	7	8.57	4
MCS-4 P2	1116	70	3	11	1	14	1	70.00	4
MCS-4 P3	1116	70	3	11	<u>1</u>	14	1	70.00	-
MCS-5 P1	1404	88	9	9	12	117	1 8	70.00	4
MCS-5 P2	1404	88	9	9	12	117	8	11.00	
MCS-6 P1*	1836	115	66	9	9	147	10	11.00	ļ
MCS-6 P2*	1836	115	66	9	9	147	10	11.50	ļ
MCS-6 P1	1836	115	3	7	49	346	22	11.50	į
MCS-6 P2	1836	115	3	7	49	346	22	5.23	
MCS-7 P1	1404	88	18	8	15	138	9	5.23 9.78	ĺ
MCS-7 P2	1404	88	18	8	15	138	9	9.78	
MCS-7 P3	1404	88	18	8	15	138	9	9.78	
MCS-8 P1	1692	106	36	10	3	66	5	21.20	
MCS-8 P2	1692	106	36	11	3	69	5	21.20	
MCS-8 P3	1692	106	36	11	3	69	5	21.20	
MCS-9 P1	1836	115	3	11	1	14	1	115.00	
MCS-9 P2	1836	115	3	11	1	14	1	115.00	
MCS-9 P3	1836	115	3	11	1	14	1	115.00	
								113.00	
Total*	31960	2006				1890	137	14.64	۱۲ کہ
Total	31960	2006				2550	161	12.46	~ 15

^{*}Denotes the case where multiples of the basic puncture matrix are used as the basic period $\,$ K .